iXion™ Instruments

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The popular choice of premium instruments for orthodontists internationally:

All **Ixion™** instruments are made from German surgical stainless steel with a beautiful **satin finish** which reduces glare from surgery lighting.

All cutting edges are made from **tungsten carbide** or **reminate** providing superior strength and sharpness.

All instruments have a Box Joint which provides a **reliable, smooth action** and ensures the tips align perfectly every time.

All **Ixion™** instruments have a **unique streamline design** providing a perfectly balanced instrument.

All **Ixion™** instruments are finished with **round, smooth edges** providing maximum comfort and safety for you and your patient.

“

I have been using Ixion pliers for 8 years now, having made the decision to use them when I moved my hospital department over to a CSSD tray system. I based that decision on having been very impressed with the high quality of the instruments when compared with other instruments I have used over a long and busy clinical career.

I set very high standards in clinical matters and Ixion pliers do not disappoint in any way. In the time they have been in use, they have proved to be reliable and robust, and good value for money.

They are well-designed and beautifully engineered from good quality steel, being both aesthetic and functional. If I had to re-stock my department, I would certainly order Ixion pliers again. I would highly recommend them to anyone.

”

Helen Taylor, Consultant Orthodontist, Nevill Hall Hospital, South Wales

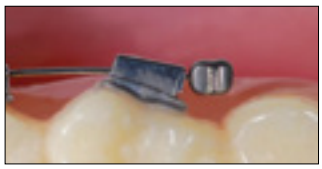
Looking for a solution to reduce emergency appointments?

Introducing the Safe Cinch...

Problem 1: Wire Poke
The wires slide out distally through the molar tubes or brackets as teeth align or wire slides round. This is specially a problem with SLBs and Lingual technique.

Problem 2: Long Unsupported Span
The fine, flexible wires drop out of molar tubes and may be too light to be held by conventional cinching.

Problem 3: Loose Tube
Bonded molar tubes that debond can easily come off the back of the wire even when conventionally cinched, causing safety concerns.

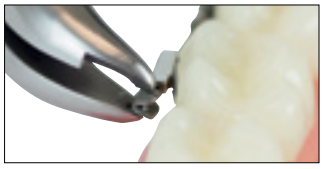


Solution: Safe Cinch
The Ixion Safe Cinch is a simple solution to prevent any of these problems from occurring.

ix920 Safe Cinch Plier
ix921 Safe Cinches Pk 40
ix922 Safe Cinches Plier & 40 Cinches

The Safe Cinch is a rounded, crimpable device which is fitted over the protruding end of the archwire behind the molar tube, using special pliers designed to hold and crimp it securely. The Safe Cinch is designed to reduce emergency appointments by preventing sharp wire from poking into the soft tissue at the back of the mouth, safely holding debonded molar tubes on the archwire, and preventing flexible wires from dropping out of molar tubes or brackets.

The ix920 is a plier used for the positioning of the ix921 Safe Cinch. The Safe Cinch must be positioned using the ix920 Safe Cinch Plier otherwise its safety cannot be assured.



EU patent number: EP 2106246. USA patent number: US 8,246,350 B2.

"I have been using safe cinch for some time now and find it invaluable to secure the distal ends of sectional wires. The safe cinch is more comfortable for patients as it eliminates wire pokes which also helps reduce emergency appointments. It's also very useful as stops for low friction systems."

Dr. Chris Lowe, Principal Orthodontist, England

Aligner Pliers

It's clear to see that thermoformed aligner systems are a fast growing area in orthodontics. To meet demand we have designed a range of instruments to aid clinicians in the successful treatment of all cases.

The use of aligner pliers may avoid future refinement stages as they can recover teeth which may have fallen behind in treatment. Featuring our world renowned elegant and streamline Ixion design, these easy to use pliers are perfect for achieving greater torque, rotational control and increased retention.

All the finer details are reflected in the design; including narrow tips for greater access into the tricky lower anterior section of aligners, and the easy to use, no-heat-required function.

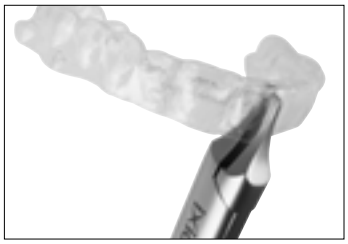
Coming Soon...

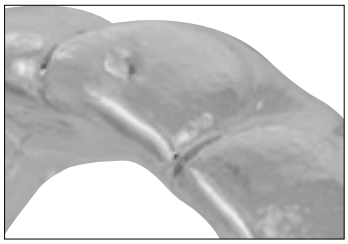
ix890
The Hook Forming Plier

ix891
The Hole Punch Plier

ix887
The Torque Aligner Plier

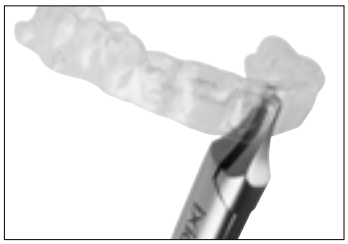
Due to material flexibility at the gingival margins, achieving torque may be challenging. The IX887 creates a horizontal indentation (0.75 x 1.5mm), creating a force point for individual lingual or labial root torque.

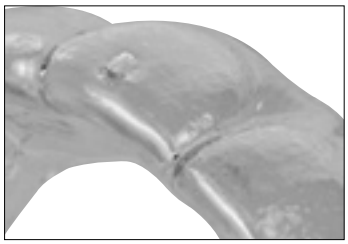




ix888
The Rotation Aligner Plier

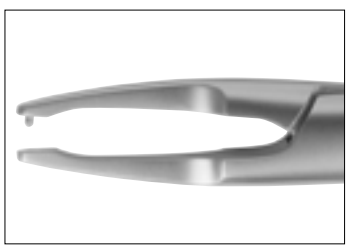
Rotational control with aligners can often prove challenging due to the lack of surface contact area between aligner and tooth – particularly on laterals. The IX888 creates a vertical indentation / force point (0.75 x 1.5mm) on the tooth surface to optimise tooth rotation.

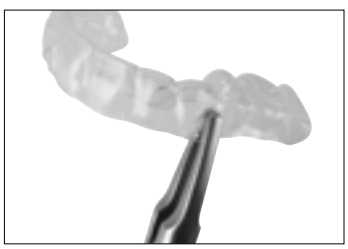


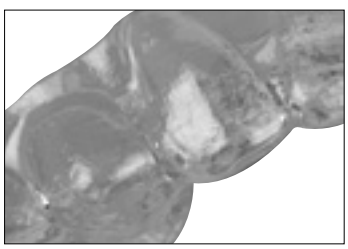


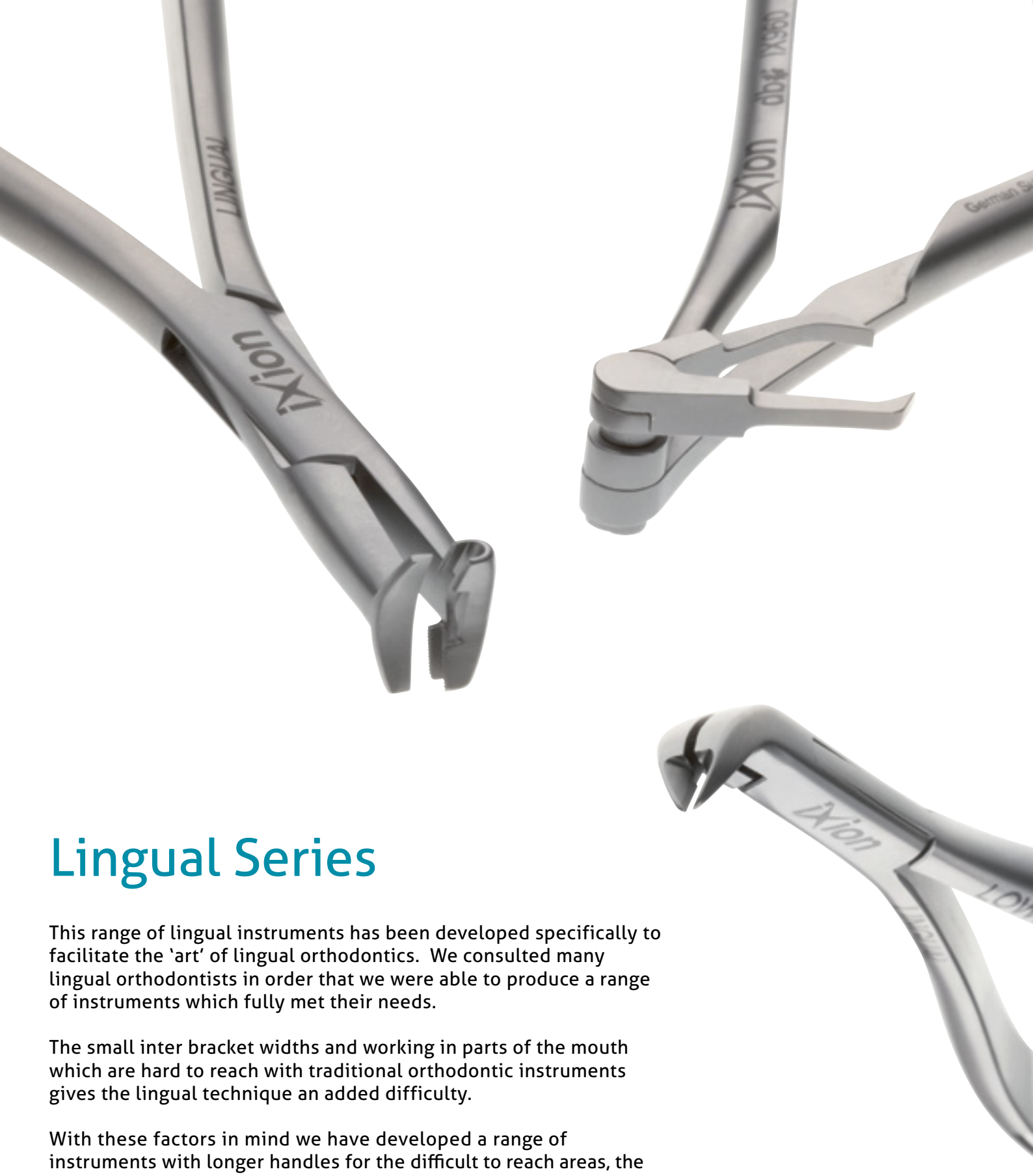
ix889
The Retention Aligner Plier

Use the IX889 on the gingival margin at the interdental papilla to create a circular indentation (1mm) for increased retention of aligners and retainers.







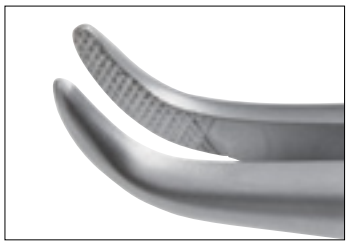


Lingual Series

This range of lingual instruments has been developed specifically to facilitate the 'art' of lingual orthodontics. We consulted many lingual orthodontists in order that we were able to produce a range of instruments which fully met their needs.

The small inter bracket widths and working in parts of the mouth which are hard to reach with traditional orthodontic instruments gives the lingual technique an added difficulty.

With these factors in mind we have developed a range of instruments with longer handles for the difficult to reach areas, the heads of the instruments are smaller to accommodate the lack of space and all instruments have the unique Ixion smooth contours for added patient comfort.



ix950
Weingart 60° Angle

Small serrated tips are angled at 60° for easy access in the posterior region. Maximum .018" (.46mm) wire.

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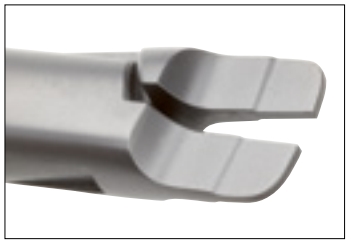
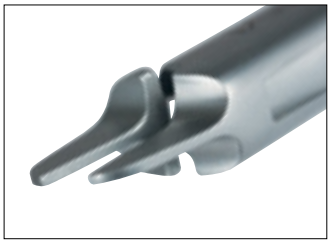
ix951
Weingart 60° Angle with T.C.

Same features as ix950 with the addition of Tungsten Carbide tips. Maximum .018" (.46mm) wire.



ix952
Stepped Tweed Arch Plier

Designed for torquing and bending both square and rectangular wires. The fine tips allow excellent access even in lower anterior region.



ix949
Slim Tweed Plier

This instrument has slimmer tips - just 0.9mm - than the current ix871 which means that this is ideal for use in the lingual technique.

New Design

ix953
Cinch Back

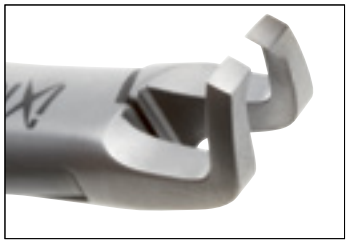
New and improved Cinch Back
The lower tip of the plier has been contoured to enable you to place the instrument **closer to the distal end** of the buccal tube. This results in a closer bend and **improved patient comfort**. The serrated tips of this instrument hold the wire securely while bending the wire 90° distal to the buccal tube. For use with Nickel Titanium wires .012" - .018" (.30 x .46mm).

ix954
Cinch Back – Large Wire

Same features as ix953 but designed to work with larger wires.

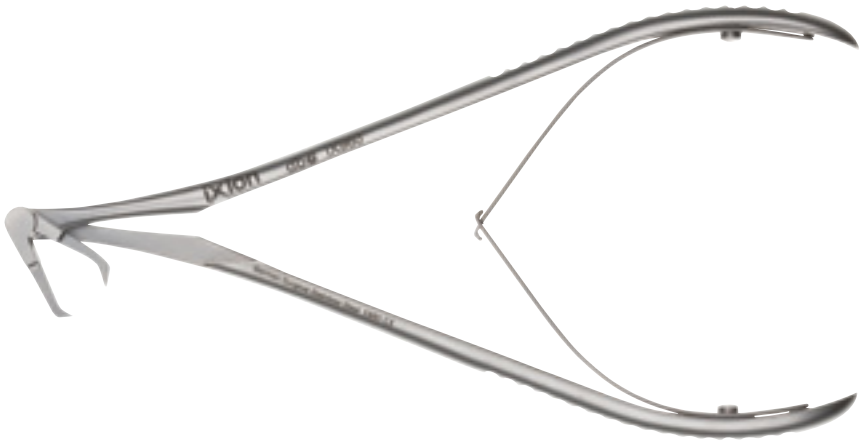
The serrated tips of this instrument hold the wire securely while bending the wire 90° distally to the buccal tube, avoiding patient discomfort.

For use with wires from .016" (.41mm) up to .021" x .025" (.55 x .64mm).



ix955
Bracket Removing Plier

The narrow sharp tips, wedge between the edges of the bracket base and tooth surface to remove direct bond brackets safely and comfortably.



ix960
Lingual Anterior Debonding Plier

Specifically designed to enable the clinician to easily debond Lingual Bracket including those with a customised base.

The bracket is successful debonded by placing the sharp edges of the metal arms are placed between the adhesive and enamel interface. The handles are slowly closed so that a peeling action of the bracket base from the gingival towards the incisal completes the safe and successful debond.

The sharp edges of the metal arms are manufactured from a special hardened steel which gives long lasting sharpness.

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ix956
Mini Ligature Cutter 50° Angle Upper

The narrow tip is angled at 50° for excellent access to the upper arch. The inserted tips ensure precision cutting of ligature wires and elastics.

Maximum Cutting Capacity:
soft wire up to .012" (.30mm)

ix956s
Micro Ligature Cutter Upper 50° Angle Upper

Same features as ix956 but with shorter handles.

Maximum Cutting Capacity:
soft wire up to .012" (.30mm)

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ix957
Mini Ligature Cutter 60° Angle Lower

The narrow tip is angled at 60° for excellent access to the lower arch. The inserted tips ensure precision cutting of ligature wires and elastics.

Maximum Cutting Capacity:
soft wire up to .012" (.30mm)

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ix957s
Micro Ligature Cutter 60° Angle Lower

Same features as ix957, but with shorter handles.

Maximum Cutting Capacity:
Soft wire up to .012" (.30mm)

ix911
Micro Ligature Cutter

The small, narrow and sharp pointed tips allow easy access to the most difficult areas. The inserted tips ensure precision cutting of ligature wire & elastics.

Maximum Cutting Capacity: soft wire up to .012" (.30mm)

Caution: This delicate instrument is designed for the removal of soft stainless steel ligatures to a maximum of .012" diameter.

ix911L
Micro Long Handled
Ligature Cutter

Same features as IX911 but with longer handles.

Maximum Cutting Capacity: soft wire up to .012" (.30mm)

Caution: This delicate instrument is designed for the removal of soft stainless steel ligatures to a maximum of .012" diameter.

ix958 / ix958s
Flush Cut Distal End Cutter
Standard / Small

The flush cut feature of this instrument allows the archwire to be cut flush to the buccal tube, eliminating the possibility of patient discomfort resulting from archwire protrusion. The Tungsten Carbide inserted tips ensure precision and perfect tip alignment.

Minimum Cutting Capacity:
ix958 - .016" (.41mm),
ix958s .012" (.30mm)
Maximum Cutting Capacity:
ix958 archwires up to .021" x .025"
(.55 x .64mm)
ix958s archwires up to .016" x .025"
(.41 x .64mm)

ix959
Long Handled Distal End Cutter

This instrument features long handles and a slim box joint with a compact head to ensure easy access in hard to reach areas. The T.C. inserts provide unsurpassed performance and durability.

All Ixion distal end cutters feature safety hold.

Minimum Cutting Capacity:
.012" (.30mm)
Maximum Cutting Capacity:
.018"x.025" (.46 x.64mm)

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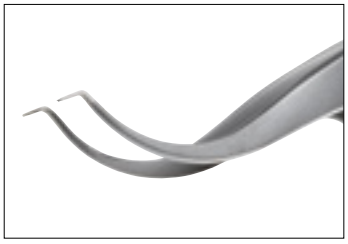
ix940
Curved Smaha

Fine curved tips but strong enough for inserting archwires and excellent for placing elastomerics to lingual brackets.



ix632
Lingual Bracket and Bondable Tube Holder

Reverse action Tube placer designed for placing bondable tubes and lingual brackets and attachments. Curved design allows placement with an unobstructed view.

ix941
Curved Lingual Micro Mosquito

Very Fine curved serrated tips and positive locking ensure consistent performance.

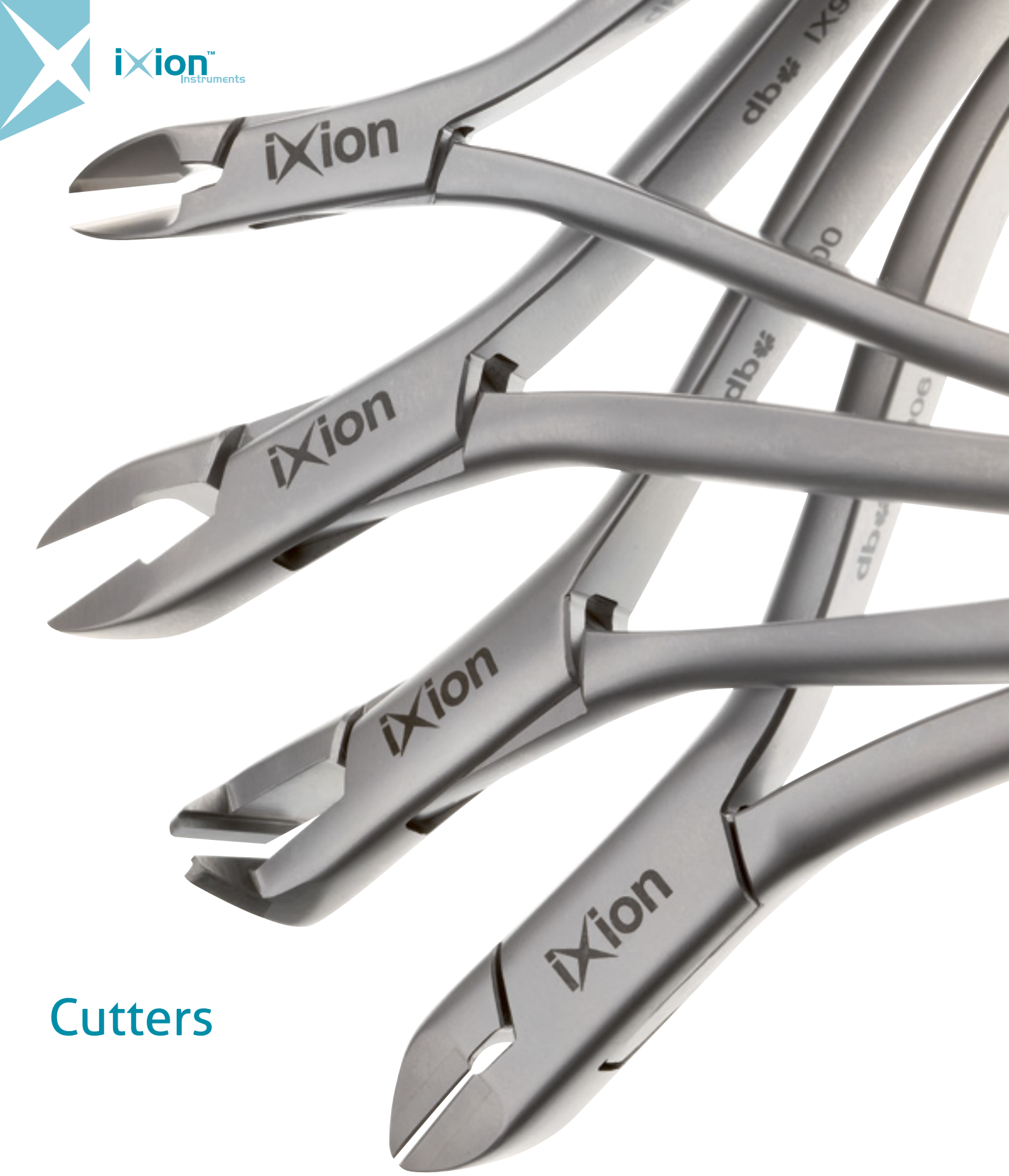
Used to place elastic ligatures in difficult to reach areas.

ix945
Lingual Tucker

The tucker has been specially developed through consultation with experienced lingual orthodontists and is especially suited to use with self-ligating lingual brackets systems.

The Ixion Lingual tucker gives optimum visibility and access during use in both the anterior and posterior region due to its unique design.

Designed in conjunction with Peter Baldwin, Warrington.



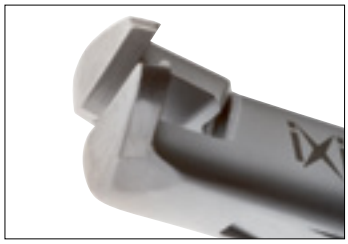
Cutters

ix900
Distal End Cutter

This instrument cuts wires close to the buccal tube and safely holds the distal end. The Tungsten Carbide inserts ensure precision cutting, long wear and unsurpassed cutting performance.

All Ixion distal end cutters feature safety hold.

Cutting Capacity:
archwires up to .021" x .025"
(.55 x .64mm)

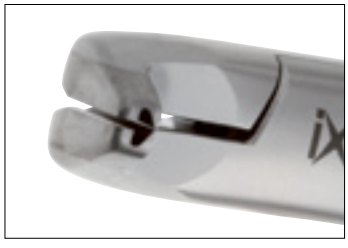


ix901
Long Handled Distal End Cutter

This instrument features long handles and a compact head to ensure easy access in hard to reach areas. It cuts wires close to the buccal tube and safely holds the distal end. The Tungsten Carbide inserts provide unsurpassed performance and long wear.

All Ixion distal end cutters feature safety hold.

Cutting Capacity:
archwires up to .021" x .025"
(.55 x .64mm)



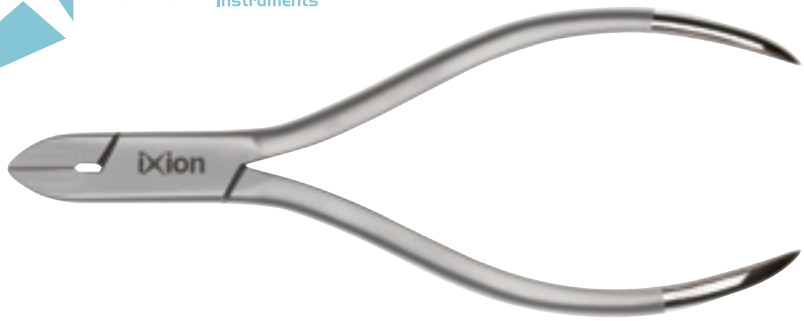
Using None Flush Cut Distal End.

Using Flush Cut Distal End.

ix902 / ix902s
Flush Cut Distal End Cutter Standard / Small

The flush cut feature of this instrument allows the archwire to be cut flush and safely held eliminating the possibility of patient discomfort resulting from archwire protrusion.

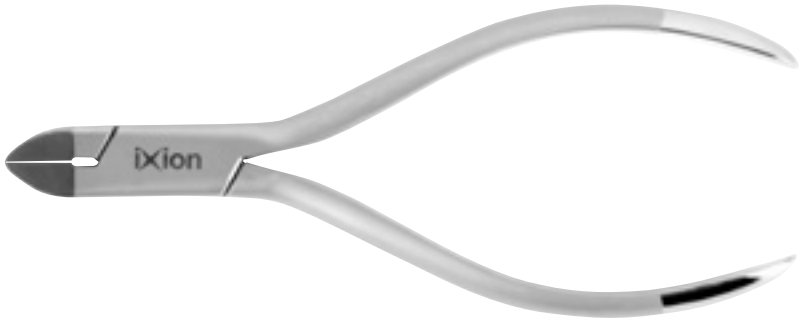
ix902 Minimum Cutting Capacity:
.016" (.41mm)
ix902 Maximum Cutting Capacity:
archwires up to .021" x .025"
(.55 x .64mm)
ix902s Minimum Cutting Capacity:
.012" (.30mm)
ix902s Maximum Cutting Capacity:
archwires up to .016" x .025"
(.41 x .64mm)



ix905
Hard Wire Cutter

Easily cuts any size archwire or pin. The inserted tips ensure precision cutting and perfect tip alignment.

Minimum Cutting Capacity:
.012" (.30mm)
Maximum Cutting Capacity:
archwires up to .021"x .025"
(.55 x .64mm)



ix915
Hard Wire Cutter with T.C. Inserts

Same design as the popular IX905 with the addition of T.C. inserts for increased durability and ability to cut elastomeric chain.

Minimum Cutting Capacity:
.012" (.30mm)
Maximum Cutting Capacity:
archwires up to .021"x .025"
(.55 x .64mm)

ix906
Hard Wire Cutter 15° Angle

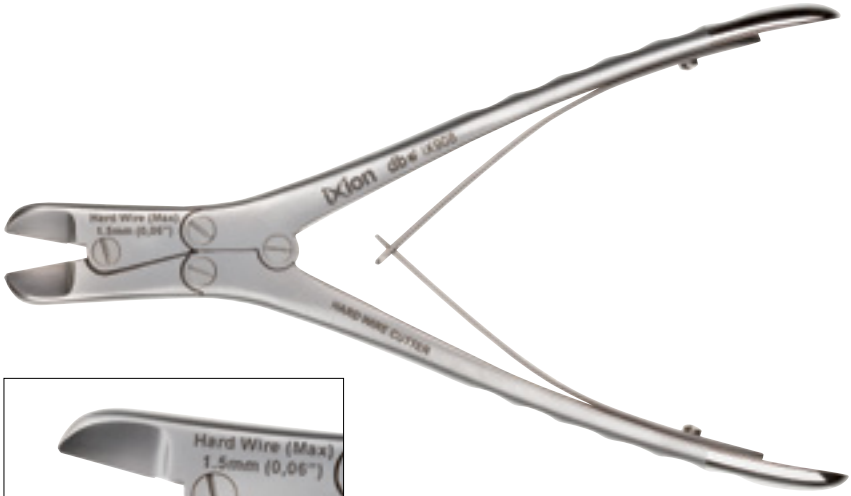
Same features as standard hard wire cutter ix905 with the advantage of 15° angle for easier access to the posterior area.

Minimum Cutting Capacity:
.012" (.30mm)
Maximum Cutting Capacity:
archwires up to .021"x .025"
(.55 x .64mm)

ix916
Hard Wire Cutter 15° Angle with T.C. Inserts

Same design as the popular IX906 with the addition of T.C. inserts for increased durability and ability to cut elastomeric chain.

Minimum Cutting Capacity:
.012" (.30mm)
Maximum Cutting Capacity:
archwires up to .021"x .025"
(.55 x .64mm)



ix908
Heavy Duty Hard Wire Cutter

This instrument cuts up to 1.5mm wire with ease due to its triple action design. Inserted tips ensure precision cutting and perfect tip alignment.

Minimum Cutting Capacity:
.014" (.36mm)
Maximum Cutting Capacity:
wire up to .060" (1.5mm)

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ix910
Pin Ligature Cutter 7° Angle

Pin ligature cutter with 7° angled tips to allow easy access and better visibility in difficult to reach areas. Inserted tips ensure precision cutting of ligature wire, pins and elastics.

Maximum Cutting Capacity:
soft wire up to .016" (.41mm)

ix911
Micro Ligature Cutter

The small narrow and sharp pointed tips allow easy access to the most difficult to reach areas. The inserted tips ensure precision cutting of ligature wire and elastics.

Maximum Cutting Capacity:
soft wire up to .012" (.30mm)

Caution: This delicate instrument is designed for the removal of soft stainless steel ligatures to a maximum of .012" diameter.

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ix911L
Micro Long Handled
Ligature Cutter

Same features as ix911 but with longer handles.

Maximum Cutting Capacity:
soft wire up to .012" (.30mm)

Caution: This delicate instrument is designed for the removal of soft stainless steel ligatures to a maximum of .012" diameter.

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ix912
Standard Ligature Cutter

This cutter has fine tips for easier access to difficult to reach areas. Cuts of pins, wire ligatures and elastics.

Maximum Cutting Capacity:
soft wire up to .015" (.38mm)

ix913
Standard Soft Wire Ligature Cutter

Same design as ix912 but without inserts.

Maximum Cutting Capacity:
soft wire up to .012" (.30mm)

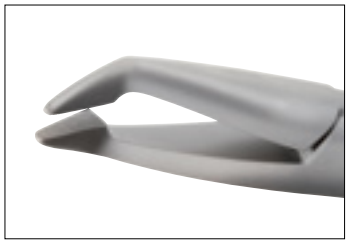
"I have used Ixion orthodontic instruments for approximately six years now. Without question, they offer unparalleled quality compared to all other orthodontic instruments on the market today. The workmanship that goes into every instrument is outstanding and is guaranteed for five years!

A reliable, smooth closing action is produced as each instrument incorporates a box joint that ensures the tips align perfectly without any rocking. Along with the elegant rounded finish, this makes using Ixion instruments a pleasurable and comfortable experience – for both patient and orthodontist.

When it comes to choosing your orthodontic instruments, there can only be one choice – Ixion."

Richard Needham, Consultant Orthodontist, Manchester Dental Hospital

Utility Pliers



ix800
Small Weingart

The special features incorporated in this Ixion Weingart make this one of the most popular. Matching serrated tips hold wires firmly at a convenient working angle. Carefully tapered beaks fit easily between brackets and are rounded for safety and comfort.

Holds round, square and rectangular wires up to .022" x .028" (.56 x .71mm)

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ix801
Small Weingart with T.C.

Same design as ix800 but with inserted tips providing maximum wire control and prevents the wire from slipping.

Holds round, square and rectangular wires up to: .022"x .028" (.56 x .71mm).

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ix802
Large Weingart

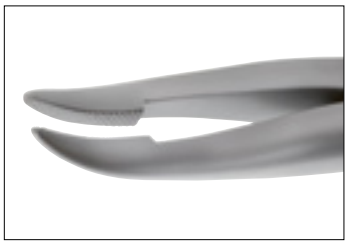
Precision serrated tips are designed to hold heavy wires and prevent the wire from slipping, for the safe and easy insertion or removal of all arches.

Holds wire up to .030" (.076mm).

ix803
Large Weingart with T.C.

Same as ix802 with inserted tips providing maximum wire control and to prevent the wire from slipping.

Holds wire up to .030" (.076mm).



ix804
Fine Tipped Weingart

This strong but fine tipped utility plier allows excellent access in difficult to reach areas.

Holds wire up to .022" x .028" (.56 x .71mm).

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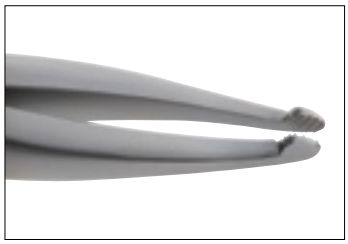
ix843
Utility Weingart with Inserted Tips

This new Weingart plier is already proving popular. Designed for use with larger wires but slim enough to allow the clinician good visibility in difficult to reach areas. Elegant and perfectly balanced with beautifully rounded tips for patient comfort. Precision serrated tips prevent the wire from slipping.

Holds wire up to .022"x .028" (.56mm x .71mm).



ix805
How Plier (Straight)

A versatile utility plier with a long tapered tips. The 3/32" diameter tips are serrated to prevent wire slippage.

Holds wire up to .022" x .028" (.56 x .71mm).

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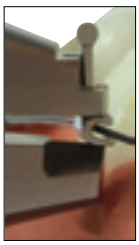
ix806
How Plier (Angled)

Similar to ix805 but with 45° angled tips for convenient access to lingual and other difficult to reach areas. Matching serrated tips hold wires firmly at a convenient working angle.

Holds wire up to .022" x .028" (.56 x .71mm).



ix820
Crimpable Archwire Hook Plier

Designed for surgical ball hooks and auxiliaries. The slotted tip holds auxiliaries secure to provide for positive crimping.

ix834
Crimping Plier

For applying crimpable stops to archwires.

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ix825
Posterior Band Remover (Short)

The plastic tip rests on the occlusal surface of the molar which places the removing tip in the perfect position to catch the gingival edge of the band. Replacement pads are available in 3/16" and 1/8" diameters.

Replacement Tips 3/16" (5mm) - IX895S
Replacement Tips 1/8" (4mm) - IX896S

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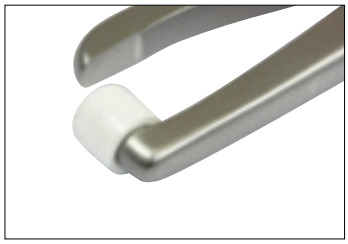
ix826
Posterior Band Remover (Long)

Same features as ix825 but with a longer band removing arm.

Replacement Tips 3/16" (5mm) - IX895S
Replacement Tips 1/8" (4mm) - IX896S



ix838
Posterior Band Remover Plier

A long arm band remover with a push fit pad.

Replacement Tips
Pack of 10.

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ix827
Direct Bond Remover (Straight)

Force is applied to the bracket-tooth interface. The tips are positioned mesially-distally or at the occlusal gingival interface to remove direct bond brackets safely and comfort-ably.

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ix828
Direct Bond Remover (Angled)

Same design as ix827 except the 60° angle allows easier access in difficult to reach posterior brackets.

ix829
Direct Bond Remover

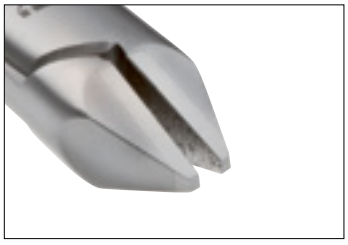
Removes brackets easily by holding the side of the bracket in a horizontal position or under the tie wing and applying pressure by torquing or turning in a clockwise motion. The inserted tip provide longevity.

ix835
Adhesive Removing Plier

The Vinyl tube rests on the occlusal / incisal surface of the tooth ensuring no discomfort to the patient while the sharp metal tip removes adhesive from the labial / buccal surface with ease.

Replacement Metal Pad - ix836 - Sold in packs of 2.

Replacement Vinyl Tube 15cm - ix837



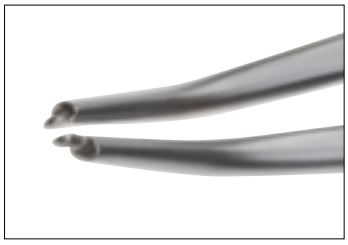
ix840
Small Adams Plier

Inserted hardened tips provide excellent resistance to wear. Square beak 1mm at tip and parallel at .045" opening.

Effective for wires up to .030" (.76mm).

ix824
Coon Ligature Tying Plier

Self-locking ligature tying plier with fine beaks for the ease of applying and tying Stainless Steel ligatures.



ix841
Force Module Separator

Designed for easy placement of separating elastics. Modules will not slip because of the undercut of the tips.

ix895S

Replacement Tips 3/16" (5mm)
for ix825/826
Pk 3

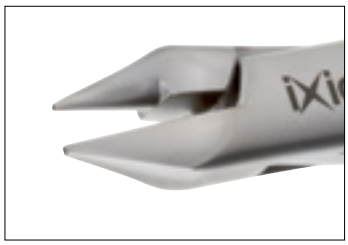
ix896S
Replacement Tips 1/8" (4mm)
for ix825/826
Pk 3

ix836

Replacement Metal Pad
for ix835
Pk 2

ix837
Replacement Vinyl (150mm)
for ix835

Wire Bending Pliers



ix807
Light Wire Plier

This popular design features inserted tips which provide excellent grip and durability.

Tips bend archwires from .012" to .020" (.30mm - .51mm).

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ix808
Light Wire Plier with Cutter and 2 Grooves

Same popular design as ix807 but with cutter and grooves. Beaks are grooved for round wire at 1mm and 2mm from tip.

Tips bend archwires from .012" to .020" (.30mm - .51mm).

Cutter at the base of beaks cuts archwires from .014" to .020" (.36mm - .51mm).

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ix809
Light Wire Plier with Cutter

This popular loop forming and bending plier has inserted tips that provide excellent wear.

Tips bend archwires from .012" to .020" (.30mm - .51mm).

Cutter at the base of beaks cuts archwires from .014" to .020" (.36mm - .51mm).

ix810
Bird Beak Plier

The most popular and versatile plier for working with round wire up to .028" (.71mm). The round beak is precision manufacturer to a perfect cone - .025" at the tip. The pyramid beak is exactly .025" wide at the tip.

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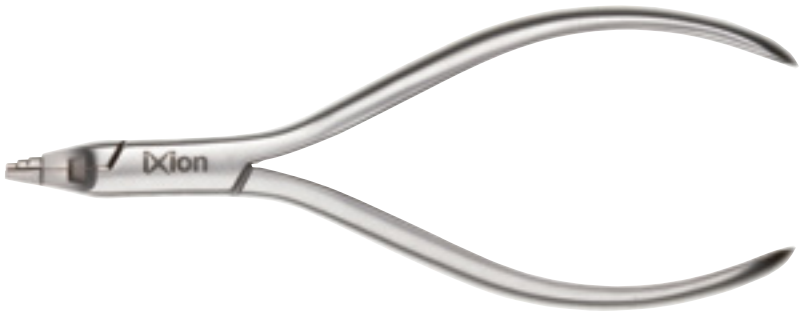
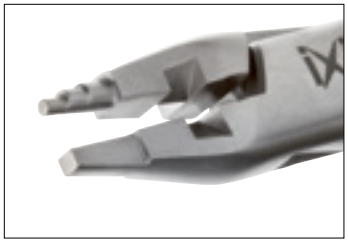
ix872
Bird Beak Plier

Same design as ix810 with the addition of tungsten carbide tips providing maximum wire control and excellent wear.





ix812
Tweed Loop Forming Plier with Cutter

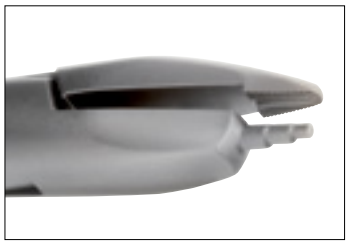
Ideal for making consistent uniform loops. The tip has three sections of 1.2mm, 1.8mm and 2.0mm with roughened finish to prevent wire slippage.

For use with round and square wire up to .021 x .025" (.55 x .64mm).

The built in cutter allows wire to be cut from .014" to .020" (.36mm - .51mm).

ix821
Long Beak Light Wire Plier

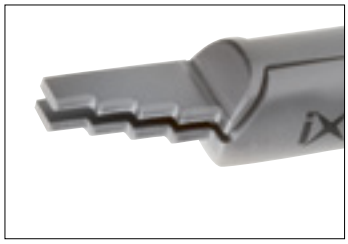
Longer beaks than the ix810 for making precision loops in light wires. For use with round and square wire up to .020" (.51mm).

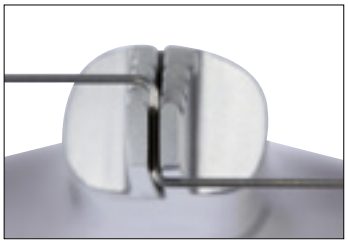


ix814
O'Brien Loop Forming Plier

The perfect plier for making Bull, Omega and Closing loops.

For use with used with round & square wire up to .021 x .025" (.55 x .64mm).





ix815
Nance Plier

Precision loop forming with four step tips 3mm, 4mm, 5mm and 6mm.
All working edges have been beveled to prevent wire scoring.

Excellent for round and square wires up to .022" (.56mm).

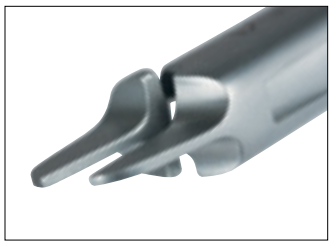
ix813
Tweed Arch Forming Plier

Designed for torquing and bending square or rectangular wires. The blades are designed to be parallel at .020" opening.

For use with wires up to .021" x .025" (.55 x .64mm).

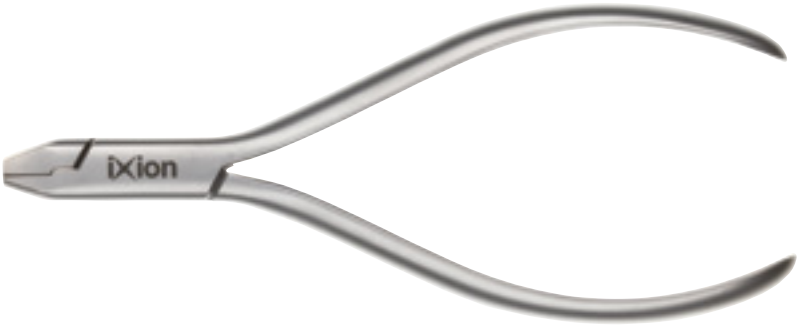
ix871
Tweed Arch Forming Plier

Same design as ix813 with the addition of inserted tips providing maximum wire control and improved gripping.



ix949
Slim Tweed Plier

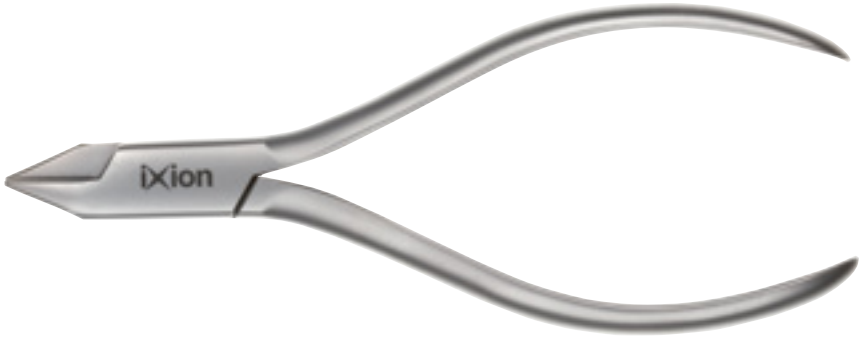
This instrument has slimmer tips - just 0.9mm - than the current ix871 which means that this is ideal for use in the lingual technique.

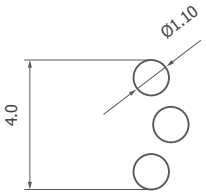


ix817
De La Rosa

Precision matched concave and convex tips for smooth contouring of light wire loops. Contours and forms arches without torquing.

For use with wires up to .021" x .025" (.55mm x .64mm).

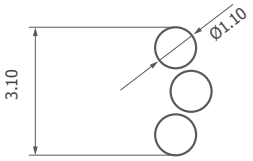




ix816
3-Jaw Plier

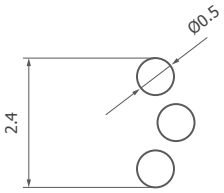
Precision aligned tips are gently rounded for consistent contouring and bending without damaging the archwire. One-piece construction of the double tip ensures superior strength.

For use with wire up to .030" (.76mm).



ix819
Small 3-Jaw Plier

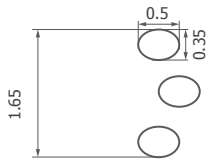
Same design as ix816 but with slightly smaller tips for working with wire up to .020" (.51mm).



ix823
Fine 3-Jaw Plier

The fine tips allow intra oral bending of the archwire.

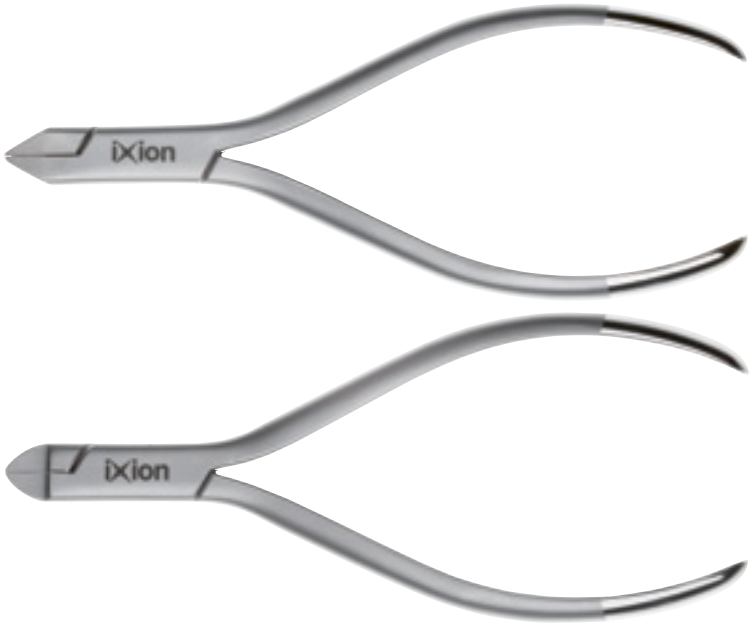
Can be used on Nickel Titanium and Stainless Steel wire up to 0.20" (.50mm).



ix823XF
Extra Fine 3-Jaw NiTi Plier

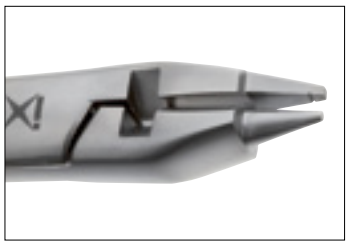
The narrow extra fine tips allow intra oral bending of the archwire between the brackets.

Can be used on Nickel Titanium wire up to 0.14" (.35mm).



ix873
Torquing Plier Set

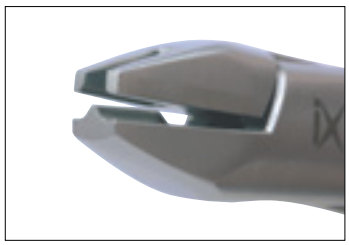
The torquing plier set allows the accurate addition of torque to square/rectangular archwires. Both Male and Female parts have hard wearing inserted tips.

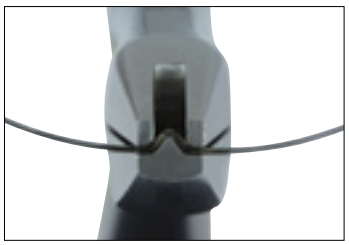


ix811
Light Wire Contouring & Cutting Plier

Longer, more gradually tapered beaks than the ix809, make it easier to bend small diameter loops.

The precision tips enable contouring of loops and arches up to .021" x .025" (.55 x .64mm) and the built in cutter that allows wires to be cut from .014" to .020" (.36mm - .51mm).

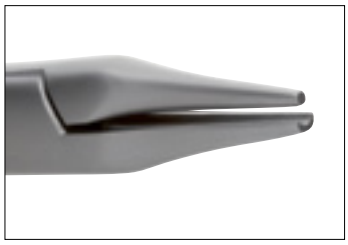




ix832
V Bend Plier

Creates a 1mm V bend in any part of the archwire to stop archwire movement. Inserted tip provides longevity.

For use with NiTi wires up to .018" (.46mm).



ix830
Hollow Chop

Convex/Concave tips enable adjustment of all types of loops.

The European community design number 002455881.
US patent numbers: US D741,486 S and US D740,942 S.

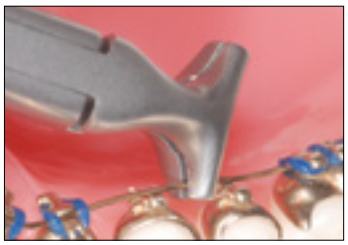
ix975
Intra Oral Detailing Plier 0.75mm Step

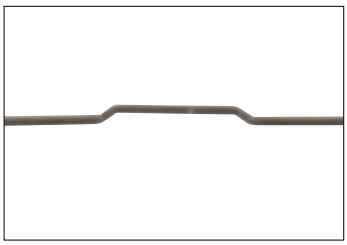
The new Intra-Oral detailing plier from Ixion™; the IX975 allows .029" (.75mm) first and second order bends to be created intra-orally, quickly and accurately without the need for removing the archwire.

The double-sided head of the instrument has been specially designed to enable intra-oral steps to be created, even interproximally between lingual brackets where the space is often very limited.

For use up to max .018" x.018" (0.46 x 0.46mm) wire.

European community design number: 002455881.
US patent numbers: US D741,486 S and US D740,942 S.





ix976
Intra Oral Detailing Plier 0.5mm Step

Same features as the ix975 but with a smaller head, designed to create .020" (.5mm) first and second order bends intra orally.

The double-sided head of the instrument has been specially designed to enable intra-oral steps to be created, even interproximally between lingual brackets where the space is very limited. For use up to max .018" x .018" wire (.46mm x .46mm).

> The IX976 is very nicely designed and manufactured. Compared to the IX975 the step is a bit smaller, it is very precise and completely parallel.
>
> **Prof. Dietmar Segner,** Specialist in Orthodontics, Germany

ix953
Cinch Back

New and improved Cinch Back The lower tip of the plier has been contoured to enable you to place the instrument **closer to the distal end** of the buccal tube. This results in a closer bend and **improved patient comfort**. The serrated tips of this instrument hold the wire securely while bending the wire 90° distal to the buccal tube. For use with Nickel Titanium wires .012" - .018" (.30 x .46mm).

"The IX953 cinch back plier is a plier that I could not practice without. I have not found a better cinch back plier. The small head and light serrations make bending .012 to .018 wires simple and accurate in very tight spaces. I would recommend it to anyone whether you do labial or lingual braces."

Dr. Jared Gill, Cornforth-Gill Orthodontics, Fargo, ND

ix954
Cinch Back – Large Wire

Same features as ix953 but designed to work with larger wires.

The serrated tips of this instrument hold the wire securely while bending the wire 90° distally to the buccal tube, avoiding patient discomfort.

For use with wires from .016" (.41mm) up to .021" x .025" (.55 x .64mm).

iXion™ Instruments

Hand Instruments & Hemostats

ix650
Probe Single Ended

ix651
Probe Double Ended

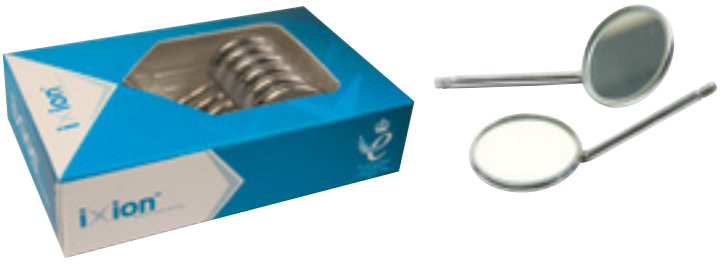
ix652
Ligature Tucker

ix653
Mitchell Trimmer

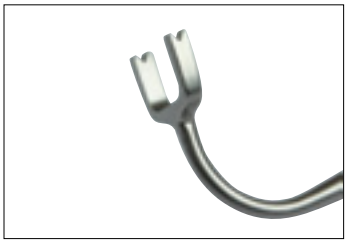
ix656
Cement Spatula

ix657
Flat Plastic

ix654
Mirror Handle



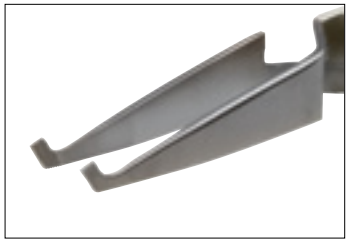
ix655
Mirror Heads
Pk 12



ix945
Lingual Tucker

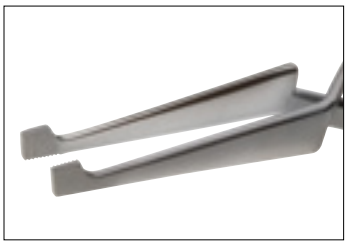
The Ixion Lingual tucker has been specially developed through consultation with experienced lingual orthodontists and is especially suited to use with self-ligating lingual brackets systems.

The Ixion Lingual tucker gives optimum visibility and access during use in both the anterior and posterior region due to its unique design.



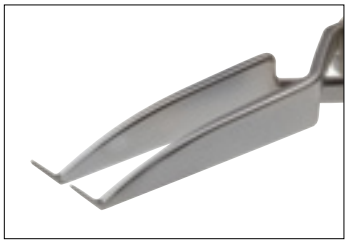
ix850
Direct Bond Bracket Holder

Spring loaded reverse action holds brackets until release is desired. Positioning blade helps with final bracket slot alignment.



ix630
Direct Bond Holder with Positioning Blade

Spring loaded reverse action holds brackets until release is desired. Positioning blade helps with final bracket slot alignment.

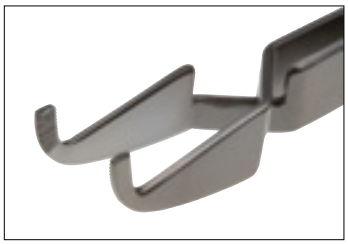


ix631
Deluxe Direct Bond Holder

The Same high quality finish as IX850, with the addition of fine tips for easy placement of brackets and attachments. Positioning blade helps with bracket slot alignment.

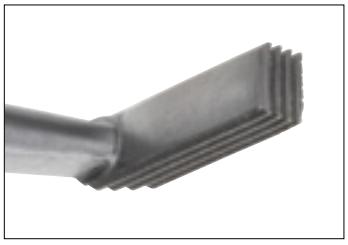
ix632
Lingual Bracket and Bondable Tube Placer

Reverse action Tube placer designed for placing bondable tubes and lingual brackets and attachments. Curved design allows placement with an unobstructed view.



ix633
Curved Bracket Holder

Designed for placement of Lingual brackets and attachments. Serrated tips give excellent grip.



ix845
Mershon Band Pusher

Stainless steel serrated tip for positive control.

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ix846
Mershon Band Pusher with Small Round Handle

The same tip as ix845, but with lower profile handle.

ix861
Mathieu Needle Holder with T.C.

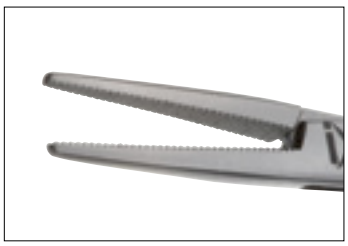
Sturdy, rounded tips designed for twisting ligature wire. Tungsten Carbide tips ensure durability.

ix862
Mathieu Needle Holder

Sturdy, rounded tips designed for twisting ligature wire.

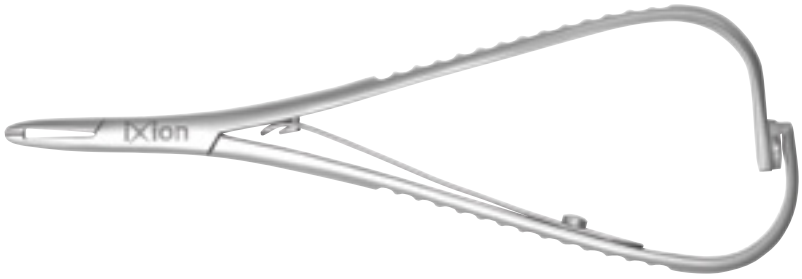
ix863
Smaha (Straight)

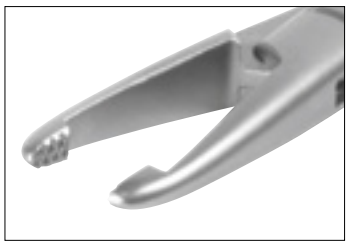
Fine tips excellent for placing elastomeric ligatures.



ix864
Curved Mathieu Needle Holder with T.C.

Sturdy rounded tips designed for twisting ligature wire. Curved Tungsten Carbide tip provides easy access in difficult to reach areas and durability.





ix860
Fine Tip Mathieu Needle Holder

Finer tips than the ix861.

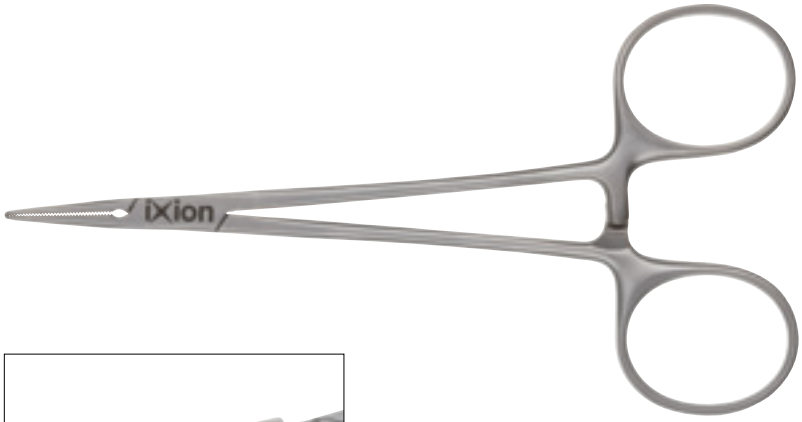
ix940
Curved Smaha

Fine curved tips but strong enough for inserting archwires and excellent for placing elastomerics to lingual brackets.

ix941
Curved Lingual Micro Mosquito

Very Fine curved serrated tips and positive locking ensure consistent performance.

Used to place elastic ligatures in difficult to reach areas.



ix855
Mosquito Forceps

Ixion Mosquito Forceps have fine serrated tips.

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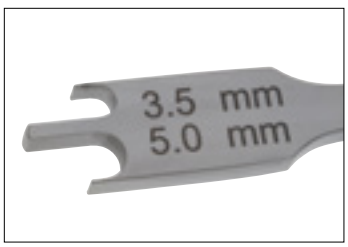
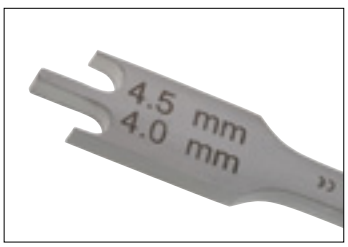
ix866
Bracket Height Gauge

3.5mm-5mm .018
For precise bracket positioning of .018 brackets.

ix867
Bracket Height Gauge

3.5mm-5mm .022
For precise bracket positioning of .022 brackets.





ix870
Serrated Scissors

Serrated tips are ideal for cutting stainless steel tape, bands and ligatures.

Instrument Code Rings

Designed to fit orthodontic plier handles, scalers, band seaters, hemostats and other orthodontic instruments. Made out of high temperature silicone that can withstand repeated autoclaving and heat sterilisation. Available in packs of 100.

Blue	ix110	Red	ix113	Pink	ix116	Yellow	ix119
Green	ix111	Black	ix114	White	ix117	Brown	ix120
Purple	ix112	Orange	ix115	Tan	ix118	Dark Grey	ix121
Mixed Colours	ix122						

iXion™ Instruments

ix101
Small Rack

Autoclavable Stainless Steel Rack

ix103
Large Rack

Autoclavable Stainless Steel Rack

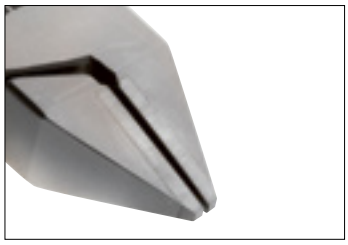
ix102
Medium Rack

Autoclavable Stainless Steel Rack

DB04-0000/1
Clear Upright Instrument Rack

Keep your instruments organised will hold up to 15 instruments.

Laboratory Pliers



ix164
Adams Plier

Inserted tips have a high resistance to deformation or wear under consistent use, providing continued accuracy and precision during appliance construction.

Bends hard wire up to .039" (1.00mm) max.

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ix165
Spring Former Plier

Tungsten Carbide inserted tips. Perfectly machined to produce accurate coil springs.

Bends hard wire up to 0.28" (0.7mm) max.

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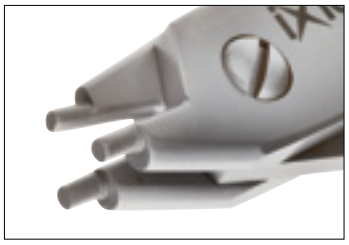
ix700
Universal General Use Plier

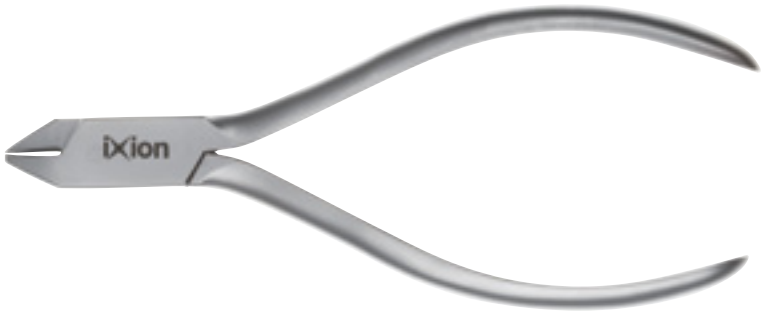
Both Tips are serrated. Bends hard-wire up to .039" (1.0mm) max. Cuts hardwire up to .028" (0.7mm) max.



ix701
Three Jaw Plier

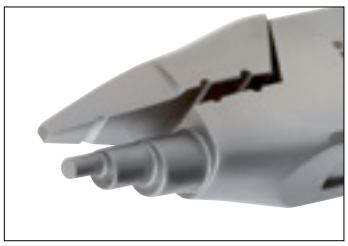
Can be used to bend the arms of rapid expansion screws.

For hard wire up to 0.59" (1.5mm) max.



ix702
Three Jaw Plier

For hard wire up to .024" (1mm) max.

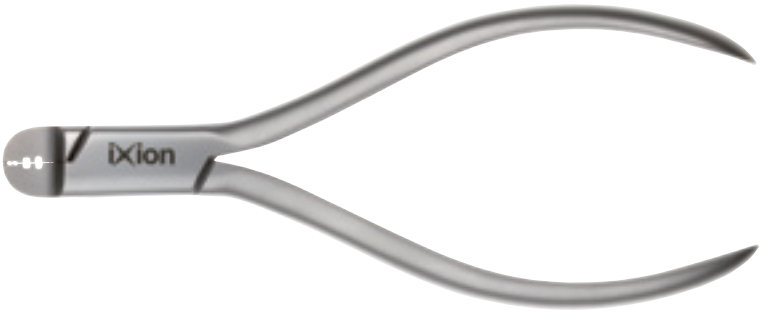


ix703
Young Plier

For labial arches and canine loops.
For hard wire up to .028" (0.7mm) max.

ix704
Swartz Plier

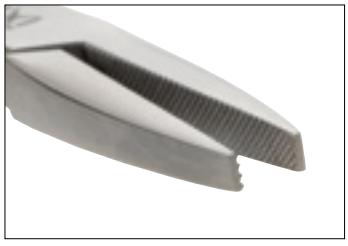
Arrow clasp forming plier. For hard wire up to .028" (0.7mm.) max.



ix705
Lingual Arch Bending Plier

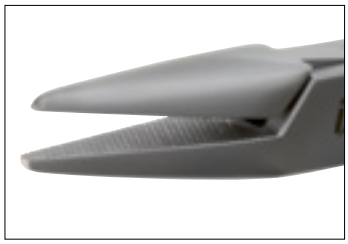
Grooved to hold all larger wire sizes, jaw width is .120" (3.05mm).
Also ideal for double and triple back bends.

Bends round, square and rectangular wires up to .036" (0.91mm) max.



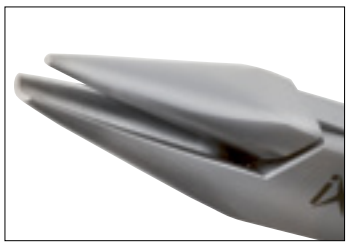
ix706
Flat Nose Plier

Both Tips serrated.
For use with wire up to .036" (0.9mm) max.



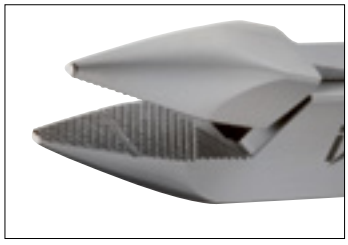
ix707
Conical Flat Nose Plier

Has one serrated and one smooth tip. For use with wire up to .028" (0.7mm.) max.



ix708
Optical Plier

For hardwire up to .028" (0.7mm) max.



ix710
Flat Nose Plier

A favourite general purpose plier - both tips of this flat nose plier are serrated with a guiding grove for use by the technician or clinician for chairside adjustments of wire up to .028" (0.7mm).

ix711
Heavy Duty Bird Beak

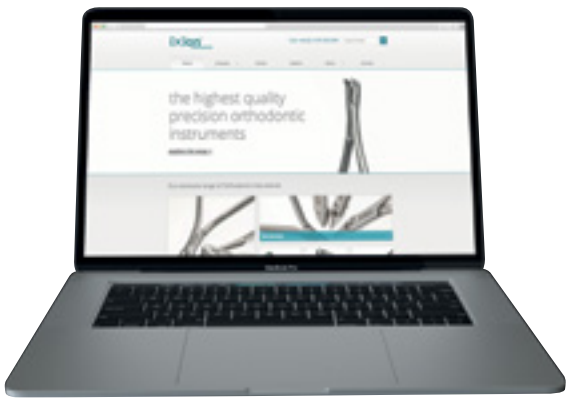
This plier is ideal for the fabrication of labial and lingual arches, quad helix, and many other appliances.

This heavy duty bird beak plier has special inserted tips which allows the bending of wire up to .040" 1mm.

ix712
Heavy Duty Hard Wire Cutter

This plier is ideal for cutting labial and lingual arches, quad helix, and many other appliances.

Double spring design allows for easy cutting of hard wire up to .060" (1.5mm).



Visit our website

www.Ixion-instruments.com

Tooth Autotransplantation

ix200
Transplantation Stent Kit

Tooth autotransplantation is the surgical movement of a donor tooth to a recipient site within the same individual. Autotransplantation is essentially a controlled avulsion and replantation, either into an extraction site or a surgically-prepared artificial socket.

Premolar transplantation is a well-recognised technique for managing missing anterior teeth, including teeth lost through trauma or developmentally absent teeth, such as in hypodontia and cleft palate. Other indications include replacement of a failing or a poor-prognosis permanent tooth and surgical repositioning of an impacted or ectopic permanent tooth.

DB Orthodontics has developed a range of transplantation stents with The Leeds Dental Institute autologous transplantation team.

Kit includes 3 x stents - small, medium and large - plus stainless steel sterilisation cassette including locking arm (not shown).

The set of stents have been produced to:

- Minimise extra-oral time of the donor tooth/ teeth.
- Reduce the damage to the periodontal ligament of donor tooth by minimising the number of try in attempts when assessing the donor tooth's fit in the recipient site.
- Provide flexibility to the surgeon by providing a variety of stent sizes, thereby allowing them to choose the most appropriate premolar to transplant.

Recommended washing, handling and sterilization instructions for Ixion™ Instruments

Instruments are not sterile upon receipt and must be sterilised before use in accordance with the following instructions.

Remove all packaging prior to cleaning and sterilization. Do not exceed 160°C.

For correct use and maximum and minimum wire sizes please refer to www.Ixion-instruments.co.uk, current Ixion catalogue or the wire size etching on the instrument body.

Cleaning Instructions

Remove any excess oil with a disposable paper towel.

Manual

Brush using a near neutral cleaning agent (A neutral cleaning agent will prevent staining and mottling of the surface of the instrument) and ensure that the instrument is cleaned thoroughly on all surfaces and joints. Rinse under clean running water for 3 minutes. Repeat full process if necessary. Dry using a paper towel. Please Note: Manual cleaning is not recommended for IX841.

Automatic

Use only validated washing agents suitable for the instruments and washing machine. (A neutral cleaning agent will prevent staining and mottling of the surface of the instrument).

When removing the instruments from the washing machines please check for cleanliness and repeat the cycle if necessary. Check for any damage or corrosion. Cutting edges should be free of defects and ensure that detachable tips are secure.

Dry thoroughly using a paper towel or dry heat not exceeding 160°C.

Please Note: Instruments should be thoroughly dried before sterilization, particular attention should be taken with drying joints/springs/tips and screws. Any residual water left on the instrument can lead to surface corrosion.

Sterilisation Instructions

Always lubricate joints and hinges before sterilization, using a vapour permeable lubricant. (Ixion instrument oil IX010) Instruments should be loaded into perforated instrument trays or general purpose sterilisation trays ensuring the cutting edges are not in contact with the trays to avoid damaging the cutting surfaces. When sterilising more than one instrument care should be taken to prevent the instruments from touching as this may cause damage.

Use only validated vacuum autoclaves. Do not exceed 160°C. Do not exceed the manufacturers stated maximum load.

Additional information

Validated ultrasonic baths may be used with validated cleaning agents. Follow instructions for use issued by the equipment and cleaning agent manufacturer.

DB Orthodontics recommends automatic cleaning requirements should be done following the requirements of CFPP, NI/CFPP, SHTM and WHTM publications as applicable.
Ixion instruments washing and sterilization processes have been validated by DB Orthodontics and are in compliance with ISO 17665-1.

Warranty

Ixion instruments are warranted to be free of defects in material and workmanship for 5 years. DB Orthodontics will sharpen free of charge within 1 year of purchase any cutter which fails to cut the intended wire size. Mis-use, abuse or failure to maintain or care for instruments properly will void warranty claims. DB Orthodontics's sole responsibility will be, at its own discretion, to repair or replace or credit the instrument in the event of any claimed defects. Adherence to recommended cleaning, sterilization and lubrication practices will help ensure optimum instrument performance. Cutting instruments that are used frequently should be reconditioned as required. Joints should be lubricated with a medical grade lubricant during every decontamination procedure. Warranty does not cover routine maintenance, sharpening or reconditioning.

Limitation of Liability

Except where prohibited by law, DB Orthodontics will not be liable for any loss or damages arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability. This limitation does not apply to third party personal injury claims.

Warranty does not cover routine maintenance, sharpening, repairing minor tip damage or reconditioning. Warranty claims or service requests should be forwarded to your distributor.

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